

FIG. 1
(Prior Art)

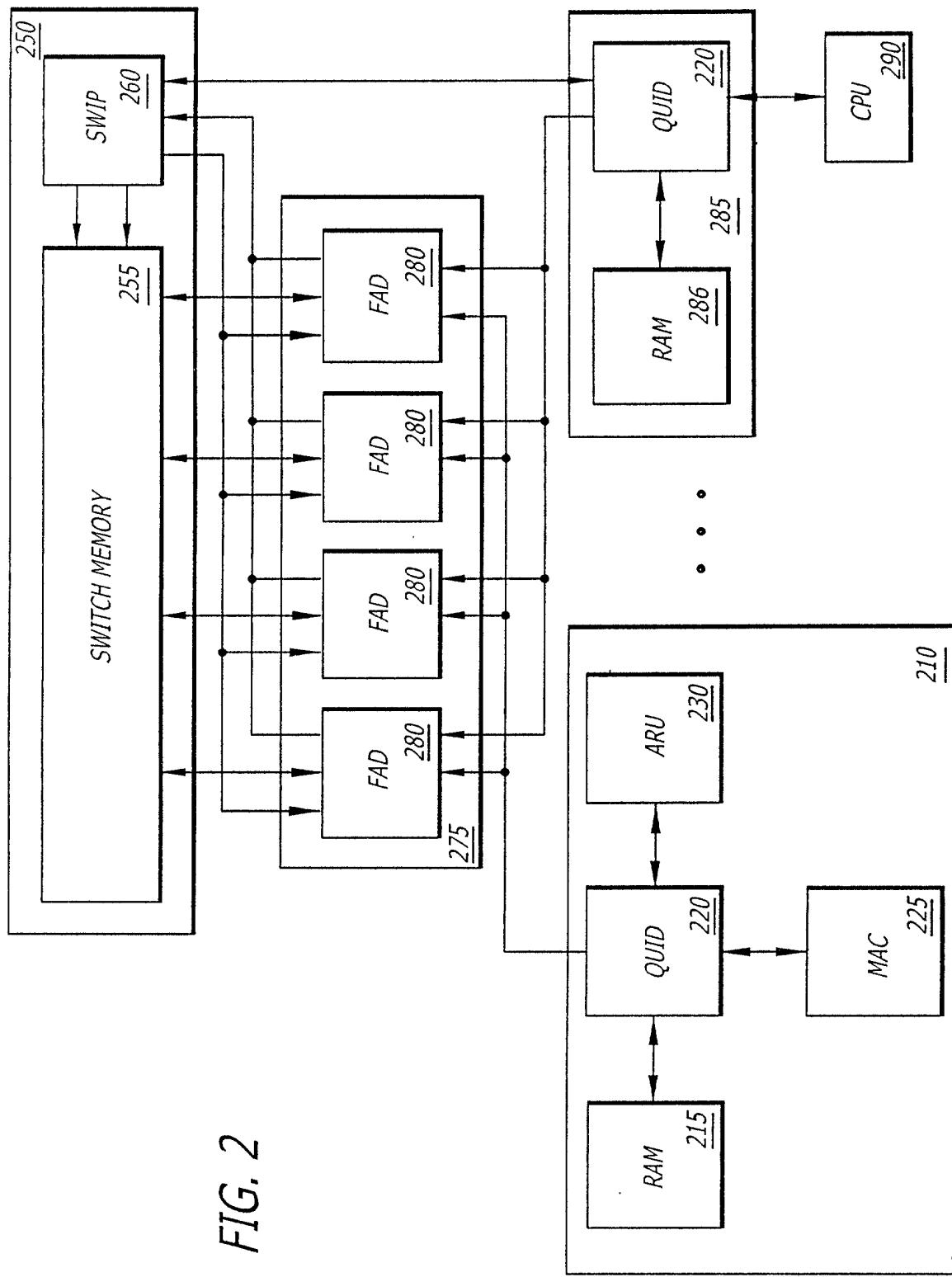


FIG. 2

FIG. 3

<u>310</u>	DESTINATION ADDRESS:	<u>11.1.2.65</u>	<u>00001011.00000001.00000010.01000001</u>
<u>320</u>	ROUTE #1	<u>11.1.2.0/24</u>	<u>00001011.00000001.00000010.00000000</u>
<u>330</u>	ROUTE #2	<u>11.1.0.0/16</u>	<u>00001011.00000001.00000000.00000000</u>
<u>340</u>	ROUTE #3	<u>11.0.0.0/8</u>	<u>00001011.00000000.00000000.00000000</u>

FIG. 8

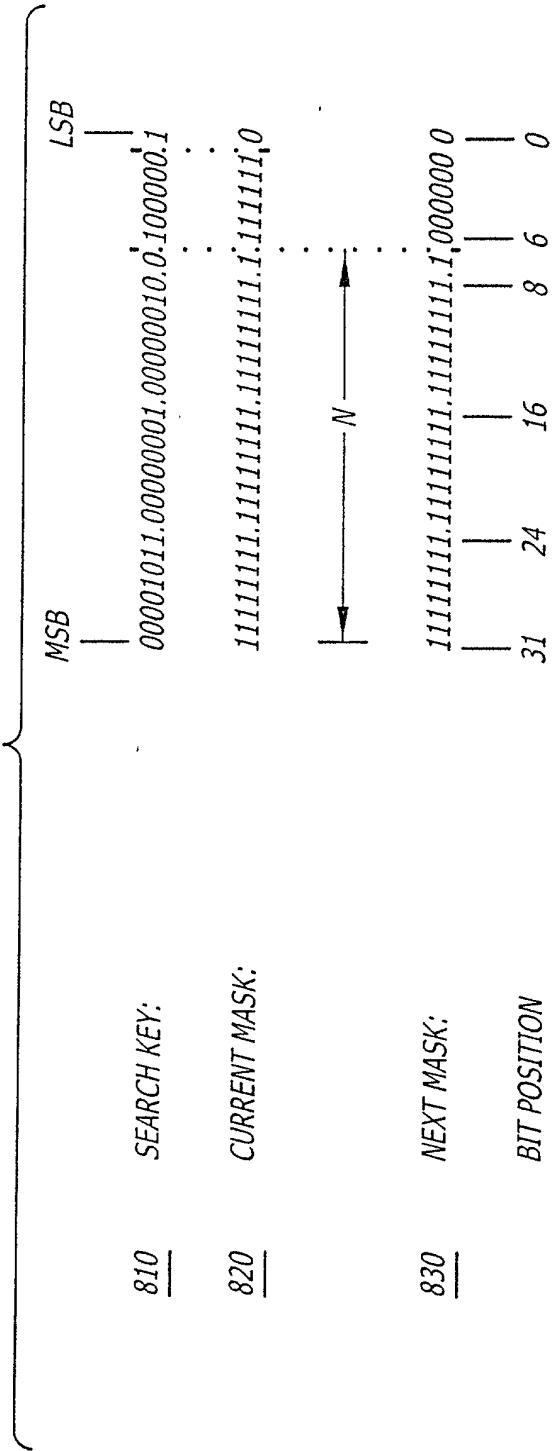
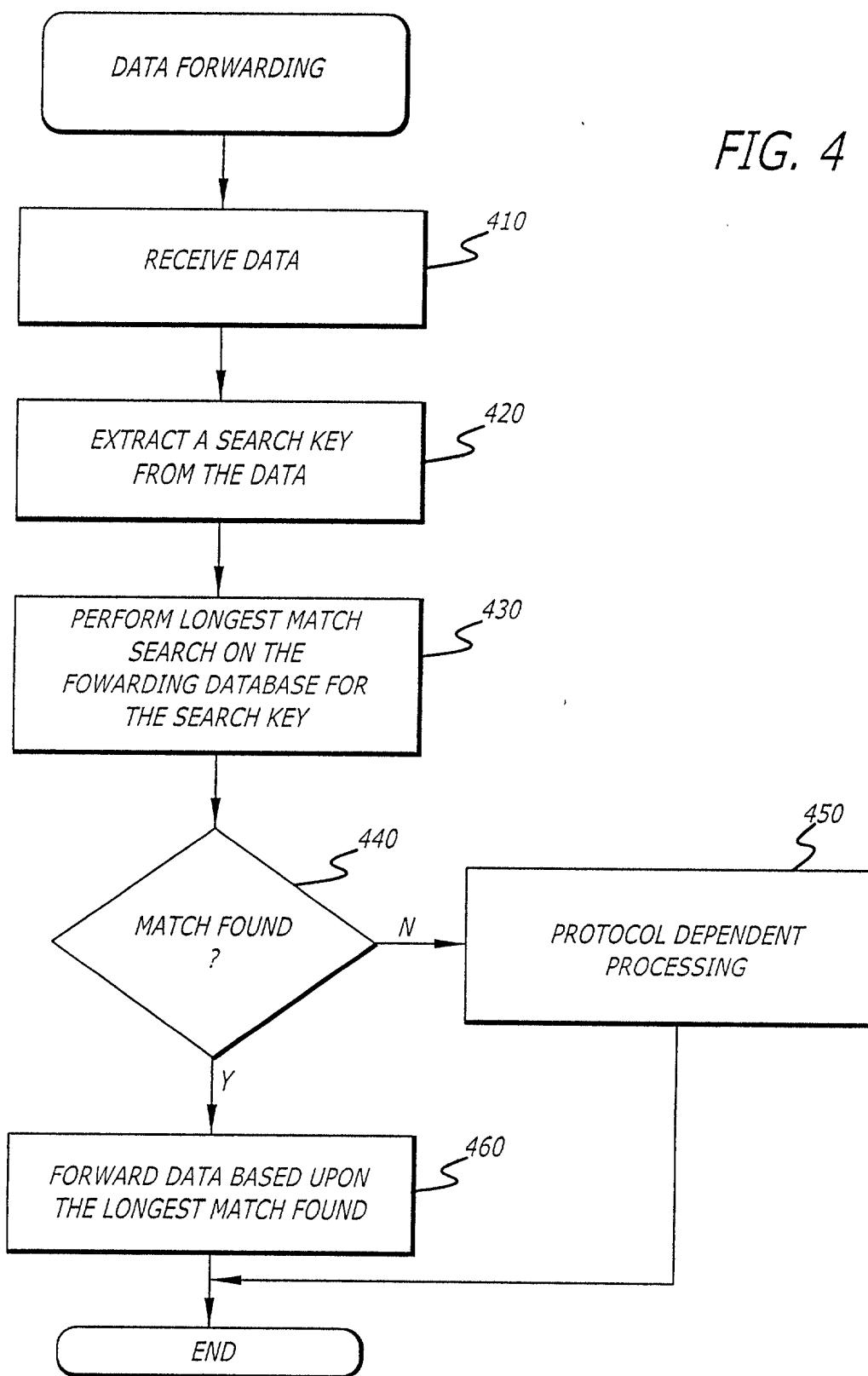


FIG. 4



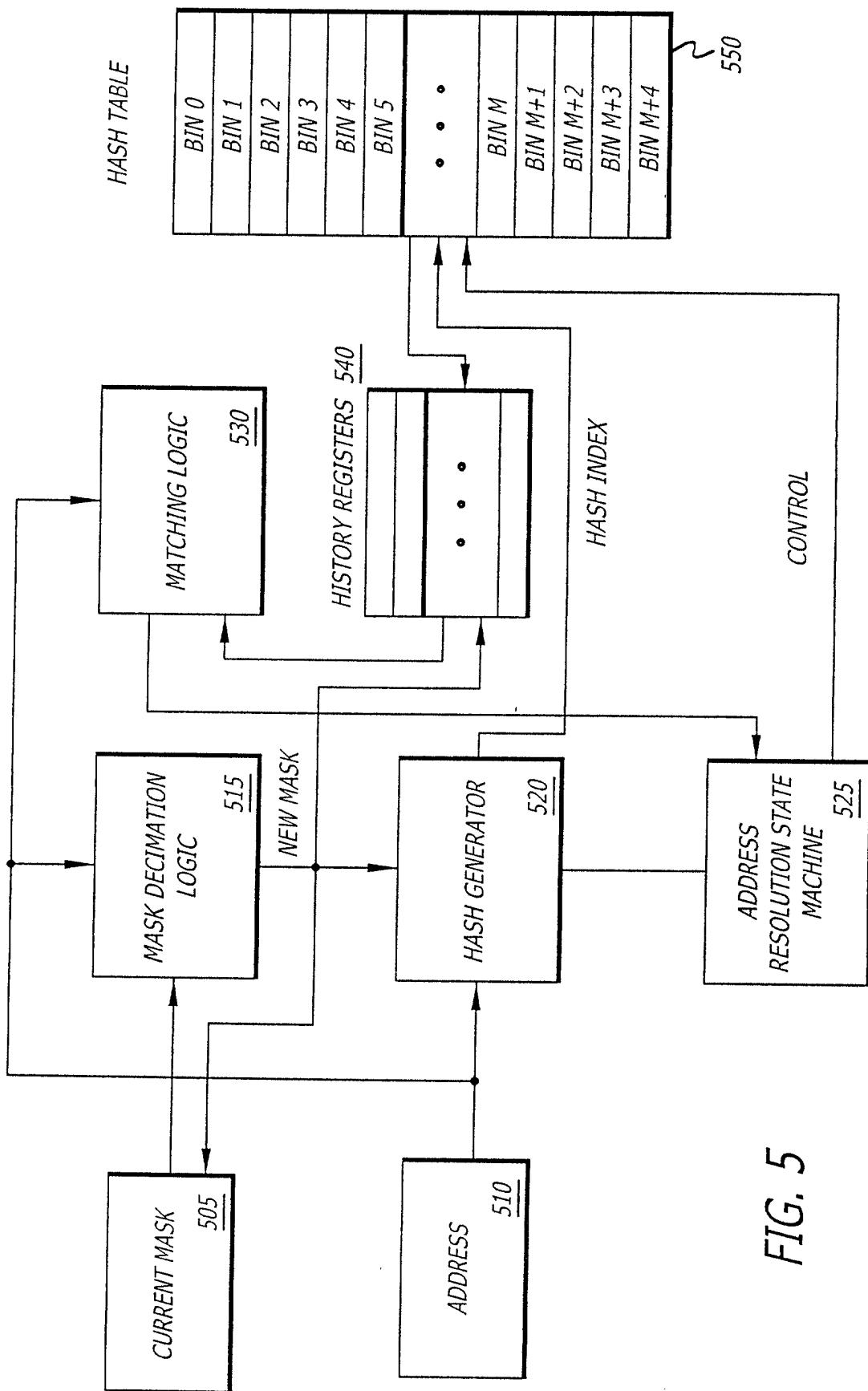
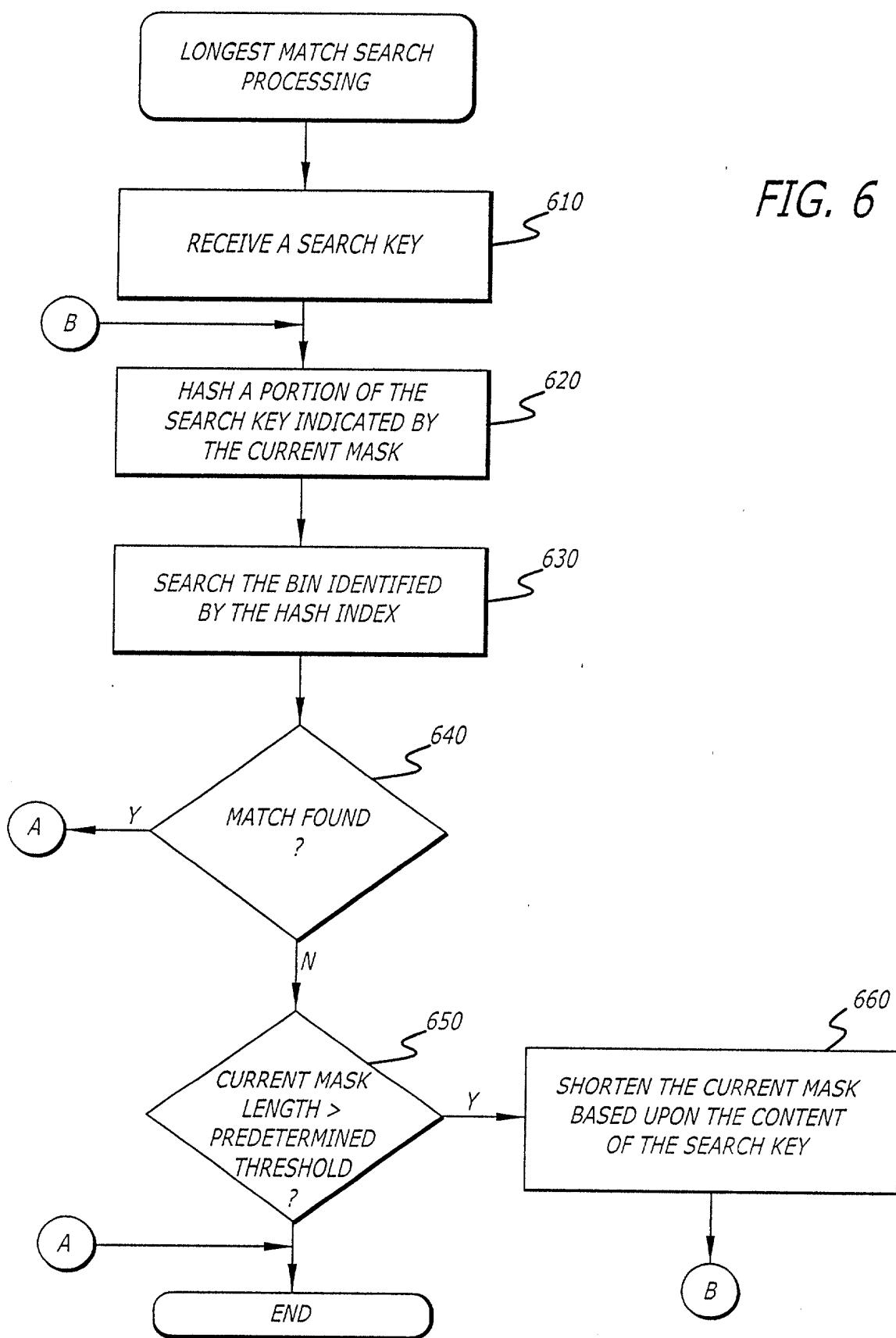
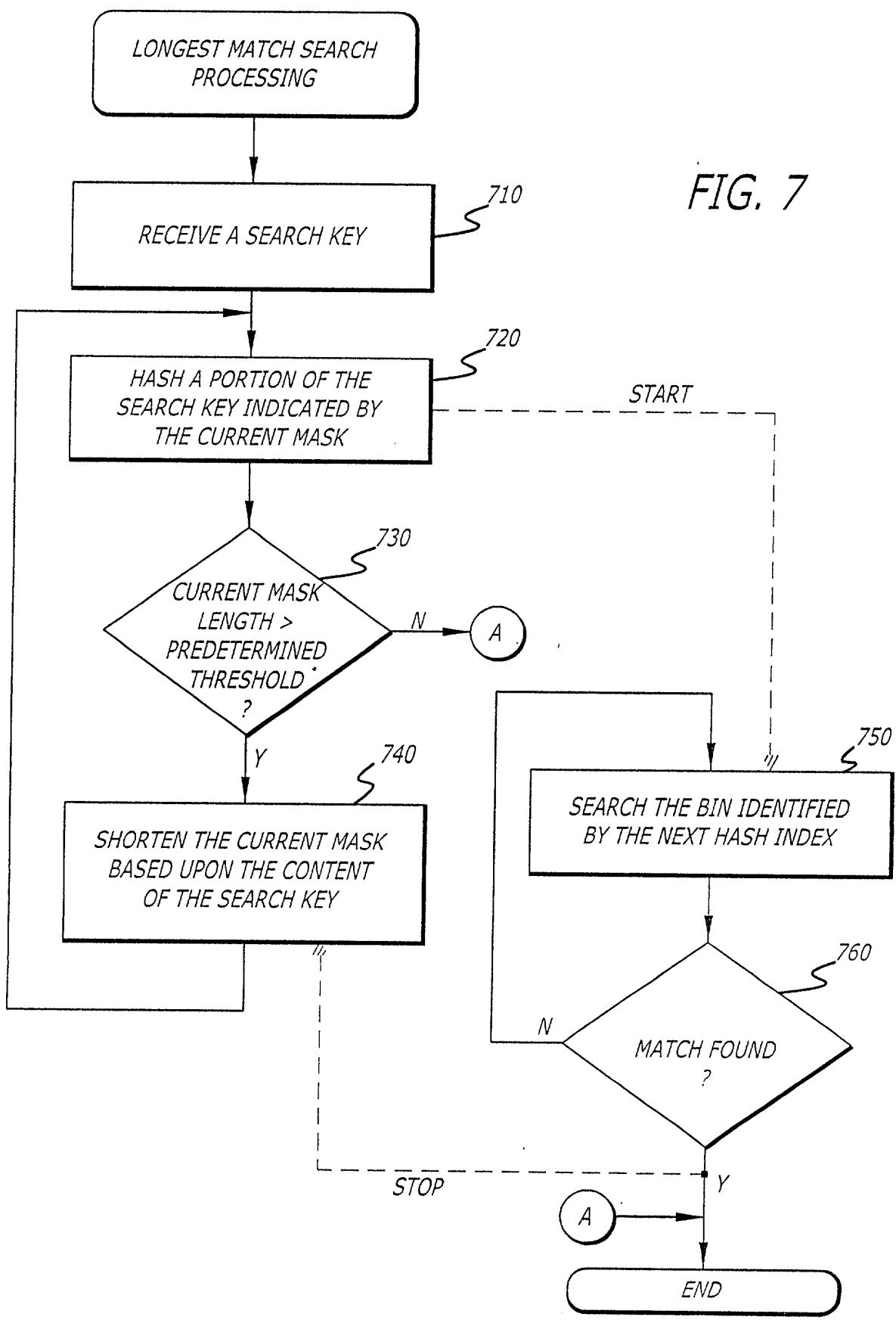


FIG. 5

FIG. 6





BIT-WISE MASK DECIMATION

ADDRESS (HEX)	ITERATION	MASK (HEX)	MASKED ADDRESS (HEX)
OB 01 02 41	1	FF FF FF FF	OB 01 02 41
	2	FF FF FF FE	OB 01 02 40
	3	FF FF FF FC	OB 01 02 40
	4	FF FF FF F8	OB 01 02 40
	5	FF FF FF F0	OB 01 02 40
	6	FF FF FF E0	OB 01 02 40
	7	FF FF FF C0	OB 01 02 40
	8	FF FF FF 80	OB 01 02 00

FIG. 9

ADDRESS-SENSITIVE MASK DECIMATION

ADDRESS (HEX)	ITERATION	MASK (HEX)	MASKED ADDRESS (HEX)
OB 01 02 41	1	FF FF FF FF	OB 01 02 41
	2	FF FF FF FE	OB 01 02 40
	3	FF FF FF 80	OB 01 02 00
	4	FF FF 00 00	OB 01 00 00
	5	FF 00 00 00	OB 00 00 00

FIG. 10

ADDRESS	• • •	MASK
00011000 00010000 000000010 00000000		11111111 11111111 11111111 00000000
00011000 00010000 000000000 00000000		11111111 11111111 00000000 00000000
• • •		
00011000 00000000 000000000 00000000		11111111 00000000 00000000 00000000
		1120
		1110
		1115

FIG. 11A (Prior Art)

ADDRESS	• • •	MASK LENGTH
00011000 00010000 00000010 00000000		11000
00011000 00010000 00000000 00000000		01000
• • •		
00011000 00000000 00000000 00000000		00100
		1135
		1125
		1130

FIG. 11B (Prior Art)

ADDRESS + MASK INFORMATION	• • •
00011000 00010000 00000010 10000000 0	
00011000 00010000 10000000 00000000 0	
• • •	
00011000 10000000 00000000 00000000 0	
	1150
	1145
	1140

FIG. 11C